

**THE X-RAY BALDWIN EFFECT: $Z=2$ FE-K AND COMPTON HUMPS
AS IONIZED DISK DIAGNOSTICS**

NASA Grant NAG5-9987

Annual Report

For Period From 1 October 2000 through 30 September 2001

Principal Investigator
Dr. Martin Elvis

August 2001

Prepared for:

National Aeronautics and Space Administration
Goddard Space Flight Center
Greenbelt, Maryland 20771

Smithsonian Institution
Astrophysical Observatory
Cambridge, Massachusetts 02138

The Smithsonian Astrophysical Observatory is a member of the Harvard-Smithsonian Center for Astrophysics
--

The NASA Technical Officer for this grant is Dr. Richard F. Mushotzky, 662.0, NASA/Goddard Space Flight Center, Greenbelt, MD 20771

I have received one data set of XMM-Newton data.

I visited the Leicester University XMM Survey Science Center during the past year in order to learn about XMM status and data analysis.

The observation for this program was performed early this summer and the data delivered in late July. Data analysis can now begin.